



Event Capture Enhancements

RELEASE NOTES

Patches EC*2.0*72
ECX*3.0*89

May 2006

Revision History

Date	Description (Patch # if applicable)	Project Manager	Technical Writer
05/31/2006	Patches EC*2.0*72 & ECX*3.0*89	Zachary Fain	Berry Anderson

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I. Introduction

The Event Capture System (ECS) provides a mechanism to track and account for procedures and delivered services that are not handled in any other Veterans Information System and Technology Architecture (VistA) package. The procedures and services tracked through Event Capture are associated with the following:

- The patient to whom they were delivered;
- The provider requesting the service or procedure;
- The DSS Unit responsible for delivering the service

User Interfaces

ECS has two interfaces: Roll and Scroll and ECS Graphical User Interface (GUI). The Roll and Scroll is a character-based application developed in MUMPS. The GUI application is an event driven, Windows-based graphical user interface developed in Delphi. The retirement of the Roll and Scroll interface will be initiated upon the completion of this project.

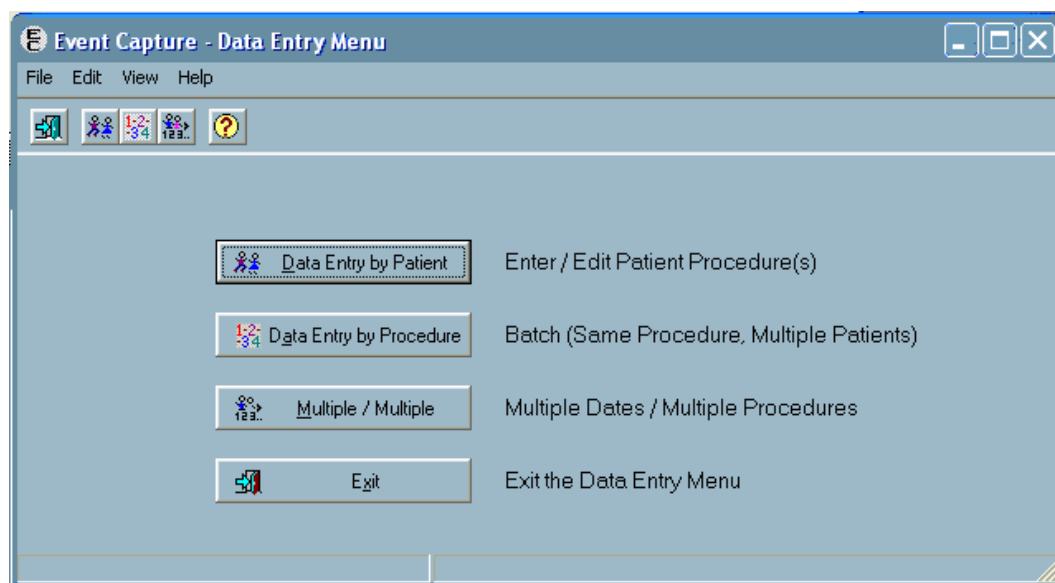
II. Features

The following section lists the new features, functionality, enhancements, and modifications provided by patches EC*2.0*72 and ECX*3.0*89.

Patch EC*2.0*72 - ECS FY06 ENHANCEMENTS

1) The Multiple Dates/Multiple Procedures Data Entry option was added to ECS GUI.

- The new menu option is selectable from the Data Entry Menu option.



- The user can enter multiple procedures for multiple patients by selecting the **Providers**, **Procedures**, **Select Patient**, **View Selected Patients**, and **Records Pending Filing** tabs.



Example: Multiple Dates/Multiple Procedures Data Entry – Providers Tab

The screenshot shows the 'Providers' tab of the 'Event Capture - Multiple Dates / Multiple Procedures' window. The 'Selection Criteria' section includes dropdowns for 'Location', 'DSS Unit', and 'Category'. The 'Procedure Date(s) and Time(s)' section shows '05 APR 2006 @1640' with 'Add Date/Time' and 'Delete Date/Time' buttons. The 'Selected' list is empty, and the 'Available' list contains 13 entries: 'ECPROVIDER, ONE' through 'ECPROVIDER, THIRTEEN'. 'Exclude' and 'Include' buttons are between the lists. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

Example: Multiple Dates/Multiple Procedures Data Entry – Procedures Tab

The screenshot shows the 'Procedures' tab of the 'Event Capture - Multiple Dates / Multiple Procedures' window. The 'Selection Criteria' and 'Procedure Date(s) and Time(s)' sections are identical to the Providers tab. The 'Procedure Name' dropdown is empty, 'Volume' is set to '1', and 'Reason' is empty. The 'Modifiers' section has an empty 'Selected' list and an empty 'Available' list, with 'Exclude' and 'Include' buttons. The 'Selected Procedures' section contains a table with 5 rows and 2 columns, and buttons for 'Add Procedure', 'Delete Procedure', and 'View Details'. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

Example: Multiple Dates/Multiple Procedures Data Entry – Select Patient Tab

Event Capture - Multiple Dates / Multiple Procedures	
Selection Criteria Location: <input type="text"/> DSS Unit: <input type="text"/> Category: <input type="text"/>	Procedure Date(s) and Time(s) <input type="text" value="05 APR 2006 @1640"/> ... <div style="border: 1px solid black; height: 40px;"></div> <div style="float: right;"> <input type="button" value="+ Add Date/Time"/> <input type="button" value="- Delete Date/Time"/> </div>
Providers Procedures Select Patient View Selected Patients Records Pending Filing	
Enter Patient NAME, or SSN, or last four digits of SSN, or first initial of last name with last 4 digits of SSN : <input type="text"/> 	
Status: <input type="text"/>	Eligibility Code: <input type="text"/>
Service Connected? <input type="radio"/> Yes <input type="radio"/> No	Combat Veteran? <input type="radio"/> Yes <input type="radio"/> No
Agent Orange? <input type="radio"/> Yes <input type="radio"/> No	Ionizing Radiation? <input type="radio"/> Yes <input type="radio"/> No
Environmental Contaminants? <input type="radio"/> Yes <input type="radio"/> No	Military Sexual Trauma? <input type="radio"/> Yes <input type="radio"/> No
	Head/Neck Cancer? <input type="radio"/> Yes <input type="radio"/> No
Ordering Section <input type="text"/> <input type="text"/>	Diagnoses Primary: <input type="text"/>  Secondary Dx 1: <input type="text"/> Secondary Dx 2: <input type="text"/> Secondary Dx 3: <input type="text"/> Secondary Dx 4: <input type="text"/>
Associated Clinic <input type="text"/> <input type="text"/>	<input type="button" value="+ Add Patient"/>

☒ OK
 ☒ Cancel
 ☒ Help

Example: Multiple Dates/Multiple Procedures Data Entry – View Selected Patients Tab

[illegible]

Example: Multiple Dates/Multiple Procedures Data Entry – Records Pending Filing Tab

The screenshot shows a software window titled "Event Capture - Multiple Dates / Multiple Procedures". It has a tabbed interface with the following tabs: "Providers", "Procedures", "Select Patient", "View Selected Patients", and "Records Pending Filing". The "Records Pending Filing" tab is active. In the top left, under "Selection Criteria", there are three dropdown menus: "Location:", "DSS Unit:", and "Category:". In the top right, under "Procedure Date(s) and Time(s)", there is a text box containing "05 APR 2006 @1640" with a dropdown arrow, and a "Selected Dates and Times" list box below it. To the right of these are two buttons: "+ Add Date/Time" and "- Delete Date/Time". The main area of the window displays a message: "There are no records pending filing because:" followed by a bulleted list: "- at least one Date/Time value is required", "- at least one Provider is required", "- at least one Procedure is required", and "- at least one Patient is required". At the bottom right, there are three buttons: "OK", "Cancel", and "Help".

2) Two new reports were added to the ECS application which list Event Capture products with out-of-date Current Procedural Terminology (CPT) codes. These reports are:

Event Code Screens with CPT Codes Report

National/Local Procedure Codes with Inactive CPT Codes

- The new menu options are selectable from the Management Report Menu in the Roll and Scroll, and from the Reports Menu in the ECS GUI;
- Users must have the ECMGR key to access these reports;
- The “Event Code Screens with CPT Codes Report” allows the user to print/display Event Code Screens with active/inactive/both CPT codes for all, or a specific, DSS Unit. The output includes:
 - Run Date
 - Location
 - DSS Unit
 - Category (if applicable)
 - Procedure Name
 - National Number
 - CPT Code

Inactive CPT codes are flagged with an *I* when printing both active and inactive codes.

- The “National/Local Procedure Codes with Inactive CPT Codes” report provides a list of national and local Procedure Codes with inactive CPT codes from the EC NATIONAL PROCEDURE file (#725). The output includes:

Run Date
National Number
National Name
CPT Code
Inactive Date

3) An unlimited number of providers may be entered in ECS data entry, along with the ability to send them to PCE. Up to seven providers will display on the Provider Summary report.

- The following options are affected by the provider changes:

ECS Roll and Scroll

Event Capture Data Entry
Enter/Edit Patient Procedures
Batch Enter Data by Patient
Data Entry (Batch) by Procedure
Multiple Dates/Multiple Procedures Data Entry
Event Capture Reports
 Patient Summary - Event Capture [ECPAT SUM]
 Provider Summary Report [ECPROV]
 Ordering Section Summary Report [EC OS SUM]
 Provider (1-7) Summary Report [EC PRO SUM]
 PCE Data Summary [EC PCE REPORT]
 Procedure Reason Report [ECRPRSN]
 Records Failing Transmission to PCE Report [EC NTPCE REPORT]

ECS GUI

Data Entry
 Enter/Edit Patient Procedure(s)
 Batch (Same Procedure, Multiple Patients)
 Multiple Dates / Multiple Procedures
Spreadsheet
Reports
 Patient Summary Report
 Provider Summary Report
 Ordering Section Summary Report
 Provider (1-7) Summary Report
 PCE Data Summary Report
 Procedure Reason Report
 ECS Records Failing Transmission to PCE Report

- The conversion of the providers will be done in the background during the installation of Patch EC*2.0*72. While the conversion is being performed, users will not be able to access Event Capture.

When the process is successfully completed, a mail message, similar to the following, will be generated and sent to the patch installer.

Subj: Event Capture Provider Field Conversion to New Multiple Field
[#26546]

01/27/06@10:46 21 lines

From: POSTMASTER In 'IN' basket. Page 1

Please forward this message to your local DSS Site Manager or
Event Capture ADPAC.

A conversion was done on the providers stored in fields #10, 15
and 17 in Event Capture file #721. The data was moved to a new
provider multiple field #42 in file #721. The data in fields
#10, 15 and 17 will remain but no new data will be populated in
these fields with the installation of EC*2.0*72. This message
provides the results of the conversion.

The provider conversion process was successfully completed.

Conversion began: Jan 27, 2006@10:33:46

Conversion completed: Jan 27, 2006@10:46:35

Last record (IEN) converted: 323506

Last IEN in File #721: 323506

Total # Records converted: 322663

Make sure the following options are placed back in order

ECMENU Event Capture Menu

EC GUI CONTEXT EC GUI Context version 2.0.11.1

ECXEC Event Capture Extract

If the process is halted for any reason, then a mail message, similar to the following, will be sent to the installer; this message will indicate the number of records that have been converted, and provide instructions for restarting the process from the last record.

Subj: Event Capture Provider Field Conversion to New Multiple
Field [#2006876] 01/27/06@13:22 21 lines

From: POSTMASTER In 'IN' basket. Page 1

Please forward this message to your local DSS Site Manager or
Event Capture ADPAC.

A conversion was done on the providers stored in fields #10, 15
and 17 in Event Capture file #721. The data was moved to a new
provider multiple field #42 in file #721. The data in fields
#10, 15 and 17 will remain but no new data will be populated in
these fields with the installation of EC*2.0*72. This message
provides the results of the conversion.

The provider conversion process was aborted.

Conversion began:	Jan 25, 2006@13:18:18
Conversion terminated:	Jan 25, 2006@25:22:19
Last record (IEN) Updated:	1205
Last IEN in File #721:	14500
Total # Records converted:	1180

To restart the provider conversion process enter the following at the
programmer's prompt.

D RESTART^EC2P72PT

NOTE: The conversion can be restarted without re-installing the entire
patch

by running routine RESTART^EC2P72PT.

The conversion will restart from the last record (IEN) that was
converted in Event Capture File #721. This information is stored
in global ^XTMP("ECPROVIDER").

4) EC National Procedure Codes have been added to the EC Reports.

- Users will now see the five-character EC national number, if applicable, associated with a procedure displayed on the following reports:

ECS Roll and Scroll

Patient Summary - Event Capture [ECPAT SUM]
DSS Unit Workload Summary [ECDSSU]
Provider Summary Report [ECPROV]
Ordering Section Summary Report [EC OS SUM]
Provider (1-7) Summary Report [EC PRO SUM]
PCE Data Summary [EC PCE REPORT]
Procedure Reason Report [ECRPRS]
Records Failing Transmission to PCE Report [EC NTPCE REPORT]

ECS GUI

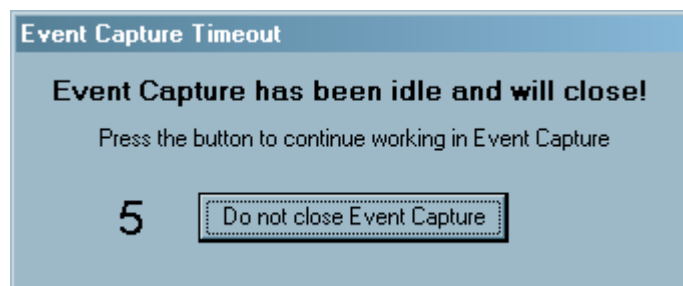
Patient Summary Report
DSS Unit Workload Summary
Provider Summary Report
Ordering Section Summary Report
Provider (1-7) Summary Report
PCE Data Summary Report
Procedure Reason Report
ECS Records Failing Transmission to PCE Report

5) A new column titled "Status" was added to the Event Code Screen option on the ECS GUI.

- Users will see an additional column called "Status" when they select the 'Event Code Screen' button from the Management Menu. The value will be 'Active' or 'Inactive'.

6) The ECS GUI includes a time out feature consistent with Computerized Patient Record System (CPRS).

- When the ECS GUI application is left unattended for a user-defined period of time, a countdown screen will be displayed, warning the user of the pending timeout of the application. If the user takes no action, the application will close. The period of time for the timeout and countdown features are user-defined at the application server level.



7) The ECS application now uses the LEX API to lookup diagnosis codes, instead of the ICD DIAGNOSIS file (#80).

- All data entry options in the Roll and Scroll and GUI applications were changed to use the LEX API to look up diagnosis codes.

Patch ECX*3.0*89 - CHANGE EC EXTRACT TO USE PROVIDER API

8) Event Capture (ECS) Extract

- The Event Capture extract was changed to use a provider API rather than reading directly from EVENT CAPTURE PATIENT file (#721);
- The extract will continue to pull only three providers;
- Functionally, the user will see no difference in the extract.